

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/823,218
Source: 1FW16
Date Processed by STIC: 12/20/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/823,218

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
 → Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "**n**" can only represent a single nucleotide; "**Xaa**" can only represent a single amino acid



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/823,218

DATE: 12/20/2005

TIME: 15:02:54

Input Set : A:\10823218.txt

Output Set: N:\CRF4\12202005\J823218.raw

3 <110> APPLICANT: Marchant, Roger E
 4 Ruegsegger, Mark A
 5 Zhang, Tianhong
 6 Qiu, Yongxing
 8 <120> TITLE OF INVENTION: Methods of making and using surfactant polymers
 10 <130> FILE REFERENCE: 26526-15
 12 <140> CURRENT APPLICATION NUMBER: 10/823,218
 13 <141> CURRENT FILING DATE: 2004-04-13
 15 <150> PRIOR APPLICATION NUMBER: 09/302,195
 16 <151> PRIOR FILING DATE: 1999-04-29
 18 <160> NUMBER OF SEQ ID NOS: 10
 20 <170> SOFTWARE: PatentIn version 3.3
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 3
 24 <212> TYPE: PRT
 25 <213> ORGANISM: hydrophilic oligopeptide
 28 <220> FEATURE:
 29 <221> NAME/KEY: PEPTIDE
 30 <222> LOCATION: (1)..(3)
 32 <400> SEQUENCE: 1
 34 Arg Gly Asp
 35 1
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 4
 40 <212> TYPE: PRT
 41 <213> ORGANISM: hydrophilic oligopeptide
 44 <220> FEATURE:
 45 <221> NAME/KEY: PEPTIDE
 46 <222> LOCATION: (1)..(4)
 48 <400> SEQUENCE: 2
 50 Arg Gly Asp Ser
 51 1
 54 <210> SEQ ID NO: 3
 55 <211> LENGTH: 5
 56 <212> TYPE: PRT
 57 <213> ORGANISM: hydrophilic oligopeptide
 60 <220> FEATURE:
 61 <221> NAME/KEY: PEPTIDE
 62 <222> LOCATION: (1)..(5)
 64 <400> SEQUENCE: 3
 66 Arg Gly Asp Ser Pro
 67 1 5
 70 <210> SEQ ID NO: 4

pp 1-3

Does Not Comply
 Corrected Diskette Needed
 invalid <213> response

See item 10 on Error
 Summary
 Sheet.

PYI: If this is
 an Artificial Sequence,
 "hydrophilic oligopeptide"
 would not be a sufficient
 explanation because it
 does not give source
 of genetic material.
 (See item 11 on Error
 Summary Sheet.)

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Input Set : A:\10823218.txt

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71 <211> LENGTH: 4
72 <212> TYPE: PRT
73 <213> ORGANISM: hydrophilic oligopeptide
76 <220> FEATURE:
77 <221> NAME/KEY: PEPTIDE
78 <222> LOCATION: (1)..(4)
80 <400> SEQUENCE: 4
82 Arg Arg Ala Arg
83 1
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 6
88 <212> TYPE: PRT
89 <213> ORGANISM: hydrophilic oligopeptide
92 <220> FEATURE:
93 <221> NAME/KEY: PEPTIDE
94 <222> LOCATION: (1)..(6)
96 <400> SEQUENCE: 5
98 Arg Arg Arg Lys Arg Arg
99 1 5
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 8
104 <212> TYPE: PRT
105 <213> ORGANISM: hydrophilic oligopeptide
108 <220> FEATURE:
109 <221> NAME/KEY: PEPTIDE
110 <222> LOCATION: (1)..(8)
112 <400> SEQUENCE: 6
114 Pro Pro Arg Arg Ala Arg Val Thr
115 1 5
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 11
120 <212> TYPE: PRT
121 <213> ORGANISM: hydrophilic oligopeptide
124 <220> FEATURE:
125 <221> NAME/KEY: PEPTIDE
126 <222> LOCATION: (1)..(11)
128 <400> SEQUENCE: 7
130 Pro Pro Arg Glu Val Val Pro Arg Pro Arg Pro
131 1 5 10
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 11
136 <212> TYPE: PRT
137 <213> ORGANISM: hydrophilic oligopeptide
140 <220> FEATURE:
141 <221> NAME/KEY: PEPTIDE
142 <222> LOCATION: (1)..(11)
144 <220> FEATURE:
145 <221> NAME/KEY: PEPTIDE
146 <222> LOCATION: (1)..(11)

RAW SEQUENCE LISTING

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147 <223> OTHER INFORMATION: (X) *Xaa ← replace with* = alanine or another hydrophobic amino acid residue

149 <400> SEQUENCE: 8

OK 151 Gly Ser Ser Ser Gly Arg Gly Asp Ser Pro Xaa

152 1 5 10

155 <210> SEQ ID NO: 9

156 <211> LENGTH: 5

157 <212> TYPE: PRT

158 <213> ORGANISM: hydrophilic oligopeptide

160 <400> SEQUENCE: 9

162 Arg Arg Lys Arg Arg

163 1 5

166 <210> SEQ ID NO: 10

167 <211> LENGTH: 10

168 <212> TYPE: PRT

169 <213> ORGANISM: hydrophilic oligopeptide

171 <400> SEQUENCE: 10

173 Pro Pro Arg Gly Val Val Pro Arg Pro Arg

174 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\10823218.txt
Output Set: N:\CRF4\12202005\J823218.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 11

VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/823,218**

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TIME: 15:02:55

Input Set : **A:\10823218.txt**

Output Set: **N:\CRF4\12202005\J823218.raw**

L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0